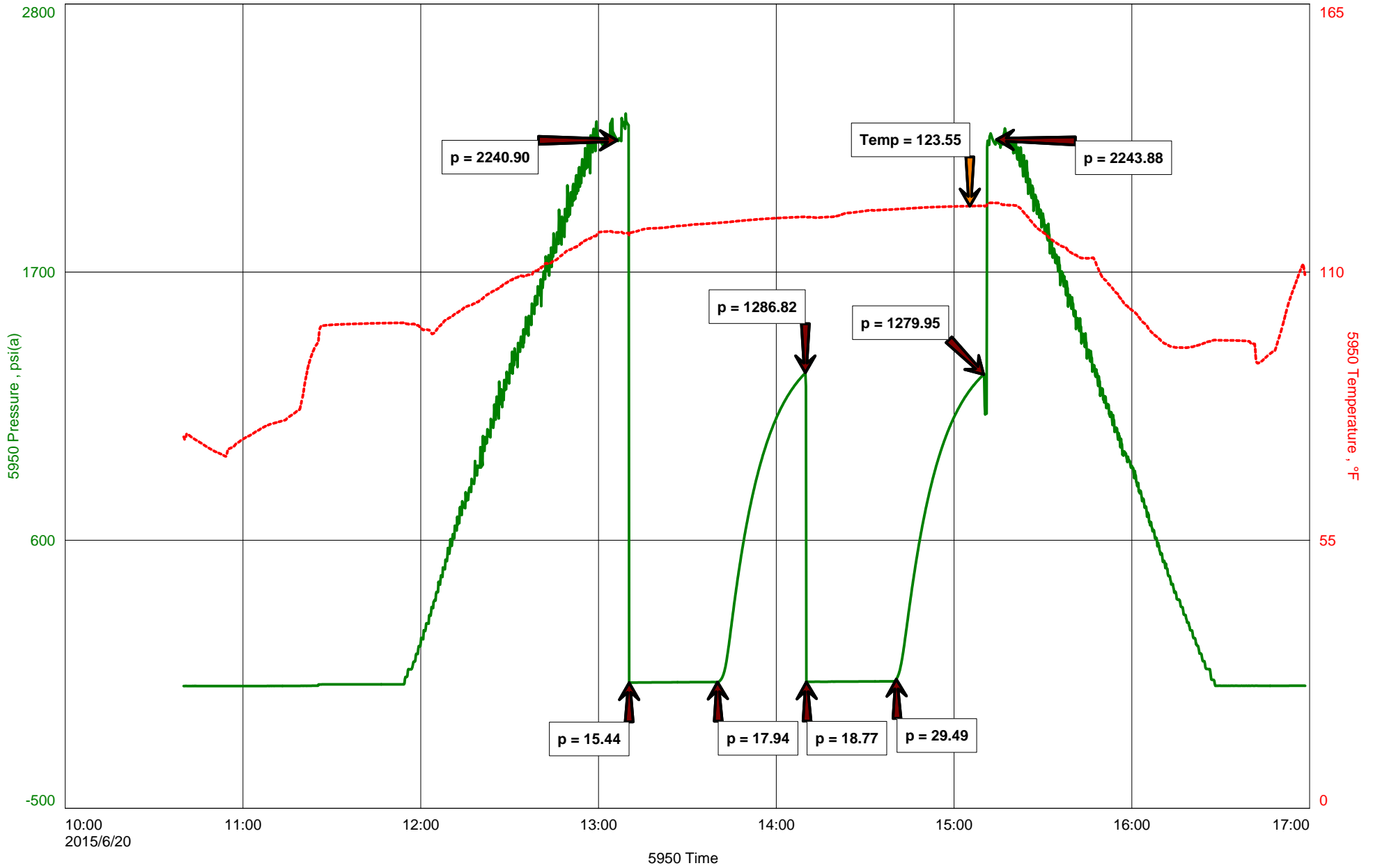


Howard #1-21



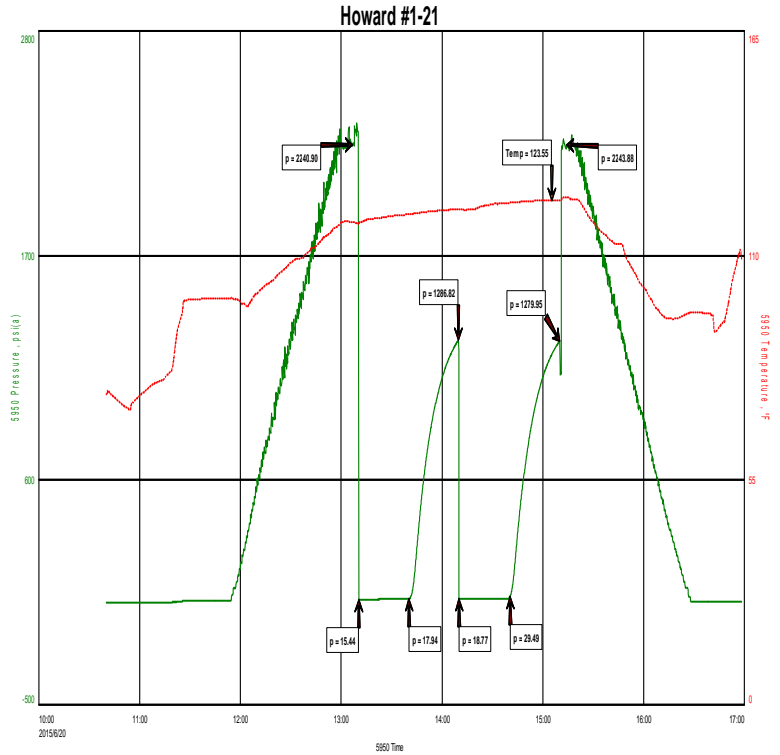


Hoisington, Kansas

Michael Carroll
620-617-0368
carroll.dtlc@gmail.com

General Information

Company Name	L.D. Drilling Inc
Contact	L.D. Davis
Well Name	Howard #1-21
Unique Well ID	Dst #5 Pawnee/Ft. Scott 4578-4660'
Surface Location	Sec21-6s-36w Thomas County
Field	NA
Well Type	Vertical
Test Type	Drill Stem Test
Well Operator	L.D. Drilling Inc
Formation	Dst #5 Pawnee/Ft. Scott 4578-4660'
Well Fluid Type	01 Oil
Test Purpose	Initial Test
Start Test Date	2015/06/20
Start Test Time	10:40:00
Final Test Time	16:57:00
Job Number	P0083
Report Date	2015/06/20
Prepared By	Michael Carroll



TEST RECOVERY

Remarks	Recovery:	16' Mud 100%M
	Total Fluid:	16'
	Tool Sample:	1%O 99%M



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: HOWARD1-21DST#5

TIME ON: 1040
TIME OFF: 1657

Company L.D. Drilling Inc Lease & Well No. Howard #1-21
Contractor L.D. Drilling Charge to L.D. Drilling Inc
Elevation 3385KB Formation Pawnee/Ft.Scott Effective Pay _____ Ft. Ticket No. P0083
Date 6-20-15 Sec. 21 Twp. 6 S Range 36 W County Thomas State KANSAS
Test Approved By Kim Shoemaker Diamond Representative Michael Carroll

Formation Test No. 5 Interval Tested from 4578 ft. to 4660 ft. Total Depth 4660 ft.
Packer Depth 4573 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 4578 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4563 ft. Recorder Number 5950 Cap. 5000 P.S.I.
Bottom Recorder Depth (Outside) 4647 ft. Recorder Number 0230 Cap. 5000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chem Viscosity 51 Drill Collar Length 0 ft. I.D. 2 1/4 in.
Weight 9.2 Water Loss 8.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 3000 P.P.M. Drill Pipe Length 4545 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number 11 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 82(18.5a) ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WSB-BUILT TO 1/2" IN 30 MINUTES **NOBB**
2nd Open: NO BLOW-BUILT TO WSB IN 30 MINUTES **NOBB**

Recovered 16 ft. of MUD 100%M
Recovered 16 ft. of TOTAL FLUID
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Remarks: _____	Price Job
_____	Other Charges
_____	Insurance
TOOL SAMPLE: <u>1%O 99%M</u>	Total

Time Set Packer(s) 1:10P.M. A.M. Time Started Off Bottom 3:10P.M. P.M. Maximum Temperature 124

Initial Hydrostatic Pressure..... (A) 2241 P.S.I.
Initial Flow Period..... Minutes 30 (B) 15 P.S.I. to (C) 18 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 1287 P.S.I.
Final Flow Period..... Minutes 30 (E) 19 P.S.I. to (F) 29 P.S.I.
Final Closed In Period..... Minutes 30 (G) 1280 P.S.I.
Final Hydrostatic Pressure..... (H) 2244 P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.